IN THE SPECIFICATION:

Please amend the specification, as follows:

On page 21, revise the paragraph beginning at line 16, as follows:

On the other hand, in the case where parabolic waveguide parts 151 (e.g., see FIG. 8) reside individually at positions corresponding to respective wavelengths λ_1 to λ_N as in the present embodiment, a core opening width (optical waveguide width) ~~Wc~~ Wt (e.g., see FIG. 6) is common, but a core opening width Wp may be set out in response to the respective wavelengths λ_1 to λ_N. Moreover, a coefficient α can be also set out in response to them. For this reason, a degree of freedom is wider than that shown in the proposal of FIG.10. Thus, delicate adjustment of transmission optical frequency characteristics with respect to an optical frequency f can be performed.

On page 18, revise the penultimate paragraph as follows:

$$W(z) = \{2\alpha\lambda/n_{eff}\,(L-\cancel{Z}z) + Wc^2\}^{1/2} \quad \ldots\ldots (1)$$

wherein α is a constant, λ is an optical wavelength, neff is an effective index, L is a length of parabolic portion, ~~and~~ Wc is a width of the outputting channel optical waveguide 134, and z is a coordinate in a Z axis.